Bruhat Bangalore Mahanagara Palike

Excecutive Engineer Yelahanka Project Division

Name of Work: Improvements to roads and drains at Doddabettahalli Layout, Rajeevanagara, Chikkabettahalli Surrounding area, Ananthapura surrounding area, Chitra Layout, Pulakeshinagar Layout, Jothinagar Surrounding area, Basavalingappanagara, Ananthapura Colony, Tanary road Attur Colony and Halenagara Village Colony in Ward No.03 Attur

1	Developments of roads and drains infront of Sambhrama college at Jyothinagar Surrounding area in Ward No. 03
2	Developments of roads and drains at Chitra layout and Pulakeshinagar layout in Ward No. 03
3	Developments of roads and drains at cross road of Ananthapura surrounding in Ward No. 03
4	Developments of roads and drains at cross roads of Chikkabettahalli Surrounding in Ward No. 03
5	Improvements to roads and drains at Halenagar village colony in Ward No. 03 Attur
6	Improvements to roads and drains at Tanary road, Attur colony in Ward No. 03 Attur
7	Improvements to roads and drains at Ananthapura Colony in Ward No. 03 Attur
8	Improvements to roads and drains at Basavalingappanagara in Ward No. 03 Attur
9	Improvements to roads and drains at Rajeevanagara in Ward No. 03 Attur
10	Improvements to roads and drains at Doddabettahalli layout in Ward No. 03 Attur

Quantity Abstract (Estimate Wise)

Sl No	Description of Item	Unit	Jyothinagar	Chitra Layout & Pulakeshinagar	Anantha pura	Chikkabettahalli	Halenagar	Tanary Road	Anantha pura Colony	Basavalingappanagar	Rajeevnagar	Doddabettahalli	Total Quantity as per Estimation	Rate, Rs	Amount, Rs
			1	2	3	4	5	6	7	8	9	10			
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications including all lead and lifts and as per the direction of engineer in charge	Cum	1199.68	1300.86	1476.44	1174.18	1304.49	1436.89	1295.25	1450.15	1235.22	1491.47	**13364.63**	**215.28**	**2877137.55**
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications including all lead and lifts and as per the direction of engineer in charge	Cum	179.95	178.05	194.24	288.93	177.89	199.55	177.29	197.75	170.20	203.38	**1967.21**	**5421.90**	**10666037.59**

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			1	2	3	4	5	6	7	8	9	10			
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification including all lead and lifts and as per the direction of engineer in charge	Cum	344.83	342.60	373.19	322.17	342.29	384.54	344.00	389.60	355.54	409.12	**3607.86**	**7070.20**	**25508270.56**
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications including all lead and lifts and as per the direction of engineer in charge	Tn	20.92	20.99	22.82	19.83	20.97	23.63	21.11	24.14	21.82	25.11	**221.35**	**73992.24**	**16378299.23**
5	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing including all lead and lifts and as per the direction of engineer in charge	Sqm	963.00	935.25	1025.10	847.20	934.35	1041.60	925.80	782.88	889.20	975.75	**9320.13**	**2337.00**	**21781143.81**
6	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing a including all lead and lifts and as per the direction of engineer in charge	Sqm	19.44	36.00	36.00	42.00	36.00	46.20	39.60	63.36	41.04	47.04	**406.68**	**5418.00**	**2203392.24**
7	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)	Cum	20.52	19.98	7.60		19.96	3.20	19.86	11.20	18.88		**121.20**	**5747.32**	**696575.18**

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			1	2	3	4	5	6	7	8	9	10			
8	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc. including all lead and lifts and as per the direction of engineer in charge	Nos	2280.00	2220.00	844.00		2218.00	356.00	2207.00	1244.00	2098.00		**13467.00**	**432.48**	**5824208.16**
9	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications including all lead and lifts and as per the direction of engineer in charge	Sqm	410.40	399.60	152.00		399.20	64.00	397.20	224.00	377.60		**2424.00**	**84.80**	**205555.20**
10	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications including all lead and lifts and as per the direction of engineer in charge	Cum				338.96							**338.96**	**63.94**	**21673.10**
11	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.	Sqm				847.40							**847.40**	**6.36**	**5389.46**
12	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density.	Cum				127.11							**127.11**	**1994.92**	**253574.28**

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			1	2	3	4	5	6	7	8	9	10			
13	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc.,	Cum				127.11							127.11	5210.96	662365.13
14	KSRRB M300-18. Wrought iron and mild steel welded work (using angles, square bars, tees and channel grills, grating frames, gates and tree guards of any size and design etc. including cost of screens and welding rods or bolts and nuts complete fixed in position but without the cost of excavation and concrete for fixing which will be paid separately complete as per specifications including all lead and lifts and as per the direction of engineer in charge	Qtl										6.36		6.36	7618.22	48451.88
														Construction Cost	87132073.37
														12% GST	10455848.80
														DPR and PMC Cost Including GST	1409000.00
														Sub Total	98996922.18
														Miscellaneous	3077.82
														Grand Total	99000000.00

Administrative Approval
Accorded For 25.99.00 lakhs
Head of A/C P.3727
CER NO 24 Dt: 24/8/2020
A.E. (Project)

Technical Sanction
Accorded For Rs 99.00 lakhs only
Head of A/C P.3727
CER NO :124 Dt: 06.11.2019
TA CE (YNK)

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019 and Data Rates.

Assistant Engineer
Project Division Yelahanka
BBMP Bangalore

Asst. Executive Engineer
Project Division Yelahanka
BBMP Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone

Executive Engineer
Project Division Yelahanka
BBMP Bangalore

Executive Engineer
Project Division
Yelahanka Zone